



## TRANSPORTATION CABINET

**Ernie Fletcher**  
Governor

Frankfort, Kentucky 40622  
www.kentucky.gov

**Bill Nighbert**  
Secretary

**Marc Williams**  
Commissioner of Highways

### Construction Memo No. 6-06

**MEMO TO:** District Executive Directors  
TEBMs for Construction  
District Construction Engineers  
Resident Engineers  
Active Consultant Engineers

**FROM:** Greta Smith, P.E. Director  
Division of Construction

**DATE:** November 1, 2006

**SUBJECT:** Changes in Bridge Plans

The following changes in bridge plans and the resulting bid items were discussed with the Division of Structural Design in October. Changes affect all structural plans.

1. The bid item "Common Excavation" will return to bridge plans, but not necessarily culverts. Culvert excavation was the genesis of the bid item "Foundation Preparation" (LS) and will remain, but actual bridge excavation will have common and solid rock excavation. The Resident Engineer and his crew will need to provide existing ground elevations, etc. with appropriate calculations. A note will be added to the general note sheet of the plans which will have any shoring or cofferdams incidental to other work thus avoiding the other reason "Foundation Prep" was so popular.
2. There is a change in the bid item for bridge barrier wall. Plans, in the past, noted the barrier wall as a quantity of concrete Class AA. Now there will be a bid item in LF for Type 3 Bridge Rail which will essentially be the old New Jersey type barrier wall. The change is to quantify all of the different types of bridge wall, especially architectural, that are being used and thus avoiding the use of special designs.
3. At this time bridge decks will remain as Concrete Class AA. The use of Class AAA or Class AA HPC has been discontinued. If one of these types of concrete is being used in a bridge deck and the contractor wishes to change, please contact C.O. Construction. A check will need to be made to determine why it was being used such as the higher strength of the Class AAA concrete.

4. The use of precast culverts is changing. Highway plans produced by the Division of Highway Design will include a plan sheet listing all types of precast culverts allowed for a particular project, when a precast structure is called for. The contractor is allowed to choose the culvert he wishes to construct. The availability of the precast culvert remains the contractor's responsibility. If the contractor requests to change a cast-in-place culvert to a precast, it may be allowed, but only as a Value Engineering provision.

5. Special Provision 69 which covers Embankment at Bridge End Bent Structures has been revised. When reviewing the structural plans, please check for the appropriate version of the Special Provision. Part of the change includes changes in the bid items. The Resident Engineer should verify all is in order or originate a change order for corrections.

If you should have any questions, please contact Division of Construction, Frankfort.

c.	M. Mathews	J. Rummage	S. Waddle
	N. Albright	A. Frank	W. Glass
	D. Kratt	C. O. Engineers	KAHC
	FHWA		